

Amendments

In accordance with 37 CFR §1.121, please amend the above-identified application as set forth below.

Amendments to the Claims:

Please amend the claims as set forth below.

1-27 (Cancelled)

28. (Currently Amended) A system for repair management for agricultural, construction or forestry machines, said system comprising:

a central computer, said computer including a processor, a network interface and a memory, said memory being configured to store a database on each of a plurality of individual agricultural, construction or forestry machines;

each of said databases being configured to store a first data set of repair plans according to each of a plurality of repairs;

each of said databases storing for each of said individual agricultural, construction or forestry machines a second data set for at least one repair, said second data set ~~being associated with~~ recording a pre-service life design change in the associated individual agricultural, construction or forestry machine;

a remote computer, said remote computer including a processor, a network interface and a graphical user interface, said graphical user interface being configured to receive a user input regarding an individual agricultural, construction or forestry machine, said user input including at least one of said plurality of repairs, said remote computer being separate from said agricultural, construction or forestry machine;

said remote computer having a memory, said memory being configured to store a third data set according to each of a plurality of repairs for each of a plurality of individual agricultural, construction or forestry machines, said third data set being associated with service life modifications for each individual agricultural, construction or forestry machine;

~~a diagnostic system within each individual agricultural, construction or forestry machine, the diagnostic system including an interface capable of operative communication with said remote computer, and said diagnostic system being configured to communicate data to said remote computer;~~

a network connection between said central computer and said remote computer;

a unique identifier for each individual agricultural, construction or forestry machine to be serviced by the system, each unique identifier corresponding to one of said data sets in said memory in said central computer; and

at least one of said central computer processor or said remote computer processor being configured to generate for display at said remote computer a current repair plan when a current repair plan is requested, said current repair plan comprising the repair plan for a particular repair, said repair plan being recalled from said first data set, and said current repair plan being modified as required by pre-service life design change data from said second data set and said current repair plan being further modified by service life modifications recorded in said third data set, each of said pre-service life design changes recorded in said second data set and said service life modifications reported in said third data set being uniquely associated with each individual agricultural,

construction or forestry machine according to said individual machine's said unique identifier.

~~a display at said remote computer, said display being configured to show said data from said database in said memory in said central computer according to said user input of said at least one repair, said data being sent via said network connection between said central computer and said remote computer, and said data shown in said display corresponding to said unique identifier for the individual agricultural, construction or forestry machine.~~

29. (Currently Amended) The apparatus of claim 28 wherein said data in said first, second or third data sets is selected from the group consisting of: parts needed for repair, parts recommended for maintenance, costs of suggested parts, availability of suggested parts, personnel recommended for a repair, availability and qualifications of personnel, and a modification history of the individual agricultural, construction or forestry machine.

30. (Currently Amended) The system of claim 28 wherein ~~said display~~ data in said first, second or third data sets includes a work path for repair of the individual agricultural, construction or forestry machine, said work path being responsive to said user input in said graphical user interface.

31. (Cancelled)

32. (Previously Presented) The system of claim 28 including an approval field configured for response by a user at said remote computer, said approval field being displayed in conjunction with said display of said data.

33. (Previously Presented) The system of claim 28 including a feedback input receiver, said feedback input receiver transmitting feedback data to said central computer for storage in said memory of said central computer.

34. (Currently Amended) The system of claim 39 33 wherein said feedback includes feedback selected from the group consisting of: a job completion acknowledgement, invoicing information and maintenance status.

35. (Previously Presented) The system of claim 28 wherein said processor of said central computer is configured to calculate and store in a third memory a variance data set.

36. (Currently Amended) The system of claim 43 35 wherein said variance data set is selected from the group consisting of: repair time, employee evaluation, part performance evaluations, and system accuracy.

37. (Currently Amended) The system of claim 39 33 wherein said feedback data set is stored in said third memory for training.

38. (Previously Presented) The system of claim 28 wherein said remote computer is located in a agricultural, construction or forestry repair unit.

39. (Previously Presented) The system according to claim 28, wherein said stored data relates to data from the group consisting of: the machine's model, the machine's year of manufacture, the machine's equipment, the machine's hours of running and the machine's service history.

40. (Previously Presented) The system according to claim 28, wherein said machine's diagnostic system communicates data to one of said central computer or said remote computer.

41. (Previously Presented) The system according to claim 28, wherein said repair plan includes particulars regarding at least one of: a necessary expenditure of time to be planned for repair of the machine, a list of parts needed for repair of the machine, a list of tools needed for repair of the machine, or a graphic detail necessary for carrying out repair of the machine.

42. (Previously Presented) The system according to claim 28, wherein said repair plan includes proposals for preventive exchange of parts.

43. (Previously Presented) The method according to claim 28, wherein needed resources are automatically provided upon an acceptance of the repair plan.

44. (Previously Presented) The system according to claim 28, including an input verification element for verification of the execution of each work step of the repair plan into said remote computer system.

45. (Previously Presented) The system according to claim 28, wherein the local computer system produces documentation on the repair carried out from the repair plan and sends the documentation to said central computer, indicating said unique identifier of the machine.

46. (Previously Presented) The system according to claim 28, wherein one of said remote computer or said central computer produces an account for repair of the machine, with the aid of the repair plan.

47. (Previously Presented) The system according to claim 28 further comprising a repair vehicle, said repair vehicle having a processor in operative data communication with at least one of said diagnostic system, said remote computer or said central computer.

48. (New) The system according to claim 28 further comprising a diagnostic system within each individual agricultural, construction or forestry machine, the diagnostic system including an interface capable of operative communication with said remote computer, and said diagnostic system being configured to communicate data to said remote computer.

49. (New) A method for management of repairs for a plurality of agricultural, construction or forestry machines, said method comprising:

configuring a processor at a factory to record in a memory individual data uniquely associated with each individual of a plurality of manufactured agricultural, construction, or forestry machines;

said individual data comprising a first data set recording a plurality of base repair plans for said each individual of said plurality of machines;

configuring a processor at the factory to record in a memory further individual data comprising a second data set recording a pre-service life design change of any individual of said plurality of machines;

configuring a processor in a remote computer to record in a memory further individual data comprising a third data set recording any service life modifications of each individual in said plurality of machines;

configuring at least one of said processors to generate a current repair plan, when a repair plan is requested by a user identifying an individual machine according to a unique identifier of the individual machine, said current repair plan being a modification of said base repair plan from said first data set, according to any pre-service life design changes from said second data set and according to any service life modifications from said third data set.